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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/600,945

Confirmation No.:

9468

Filing Date:

June 20, 2003

Inventors:

Howard Davidson

Title:

CARBON FOAM HEAT

С.

EXCHANGER FOR INTEGRATED CIRCUIT

§

§ § § Examiner:

H. T. Nguyen

Art Unit:

2812

Atty. Dkt. No.:

5181-83401

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

DATE OF DEPOSIT:

12-11-12

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail on the date indicated above and is addressed to:

Commissioner for Patent

Alexandria V

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313

Sir:

It is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 (ref. nos. B1-B7) be considered by the Examiner and made of record. Copies of the listed documents are enclosed for the convenience of the Examiner.

Applicant believes no fees are required with the filing of this statement. Should any fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 50-1505/5181-83401/EBM.



Inventor: Howard Davidson Appl. Ser. No.: 10/600,945 Atty. Dkt. No.: 5181-83401

Respectfully submitted,

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Date: Vecember 17, 2003

Form PTO-1449 (medited) 2 1 2003

List of Patents and Publications

For Applicant's Information (1940)

TTY. DKT. NO. 5181-83401

SERIAL NO. 10/600,945

For Applicant's Information TRADEMS

Disclosure Statement

APPLICANT: Howard L. Davidson

ART NO.: 2812

(Use several sheets if necessary)

REF.

DES.

EXAM. INITIALS FILING DATE: June 20, 2003

U.S. PATENT DOCUMENTS										
DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE					

						7-24		
	OTHER ART (I	ncluding Autho	or, Title, Date, P	Pertinent Page	s, Etc.)			
B1	James Klett, "High Thermal Conductivity, Mesophase Pitch-Derived Graphitic Foams" Composites In Manufacturing, The Composites Manufacturing Association of the Society of Manufacturing Engineers, Fourth Quarter 1999, Vol. 15, No. 4.							
B2	James Klett et al., "Graphitic Foam Thermal Management Materials for Electronic Packaging" SAE Technical Paper Series, 2000-01-1576.							
В3	James Klett et al., "Heat Exchangers for Heavy Vehicles Utilizing High Thermal Conductivity Graphite Foams" SAE Technical Paper Series, 2000-01-2207.							
В4	R.W. Garman et al., "Thermal Performance of a Graphite Foam Material with Water Flow for Cooling Power Electronics" PCIM 2001 Power Electronics Conference August 11-13, 2001, pp. 178-187.							
В5	James Klett et al., "Thermal Management Solutions for Utilizing High Thermal Conductivity Graphite Foams" SAMPE Technical Paper Database, SAMPE 2000-Long Beach, CA May 21-25, 2000.							
В6	James Klett et al., "Carbon Foam for Electronics Cooling" <i>Automotive Propulsion Materials</i> , 2001 Annual Progress Report, U.S. Department of Energy, October 2001, pp. 19-25.							
В7	James Klett et al., "Carbon Foam Thermal Management Materials for Electronic Packing" <i>Automotive Propulsion Materials</i> , 2000 Annual Progress Report, U.S. Department of Energy, October 2000, pp. 7-11.							

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.



COMMISSIONER OF PATENTS AND TRADEMARKS

INVENTOR(S):

Davidson

ASSIGNEE:

Sun Microsystems, Inc.

FILING DATE:

June 20, 2003

TITLE:

CARBON FOAM HEAT EXCHANGER FOR INTEGRATED CIRCUIT

ATTY. DOCKET: 5181-83401/EBM (divisional of 10/094,459)

The date stamp of the mailroom of the U.S. Patent and Trademark Office hereon will acknowledge receipt of the following:

3 page(s) Divisional Transmittal Form

11 page(s) Specification

4 page(s) Claims (Claims 1-31)

1 page(s) Title page

1 page(s) Abstract

- sheet(s) Informal Drawings (Figures 1-3)
- 1 page(s) Petition for Extension of Time
- 2 page(s) Information Disclosure Statement
- page(s) Form PTO-1449
- 5 page(s) Preliminary Amendment
- X Return Postcard

EBM:jlp

Via Express Mail No. EV317117593USUS

1 page(s) Notice of Recordation Cover Sheet

2 page(s) Copy of Assignment

3 page(s) Copy of Declaration and Power of Attorney

2 page(s) Fee authorization form in the amount of \$860.00

COMMISSIONER OF PATENTS AND TRADEMARKS

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- 3 page(s) Divisional Transmittal Form
- 11 page(s) Specification
- 4 page(s) Claims (Claims 1-31)
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10/600945 10/600945

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